## SEQUENCE LISTING

## (1) GENERAL INFORMATION:

(i)	APPLICANT:	Sherrol H. McDonough Daniel L. Kacian
		Nanibhushan Dattagupta
		Diane L. McAllister
		Philip Hammond
		Thomas B. Ryder

(ii) TITLE OF INVENTION: NUCLEIC ACID SEQUENCE AMPLIFICATION

(iii) NUMBER OF SEQUENCES: 23

(iv) CORRESPONDENCE ADDRESS:

(A) (B)	ADDRESSEE: STREET:	Lyon & Lyon 633 West Fifth Street
(C) (D)	CITY: STATE:	Suite 4700 Los Angeles California
(E)	COUNTRY:	U.S.A.
(日)	7TP:	90071-2066

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: IBM D.C. DOS 5.0

(C) OPERATING SYSTEM: IBM P.C. DOS 5.0 (D) SOFTWARE: Word Perfect 5.1

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/480,472 (B) FILING DATE: June 6, 1995 (C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/345,861 (B) FILING DATE: November 28, 1994

(A) APPLICATION NUMBER: 07/925,405 (B) FILING DATE: August 4, 1992

(A) APPLICATION NUMBER: 07/855,732 (B) FILING DATE: March 19, 1992

(A) APPLICATION NUMBER: 07/550,837 (B) FILING DATE: July 10, 1990

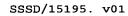


	(A) APPLICATION NUMBER (B) FILING DATE:	R: 07/379,501 July 11, 1989	
(viii)	ATTORNEY/AGENT INFORMAT	CION:	
	(A) NAME: (B) REGISTRATION NUMBE (C) REFERENCE/DOCKET N	Heber, Sheldon O. ER: 38,179 JUMBER: 213/066	
(ix)	TELECOMMUNICATION INFOR	MATION:	
	(A) TELEPHONE: (B) TELEFAX: (C) TELEX:	(213) 489-1600 (213) 955-0440 67-3510	
(2) INF	ORMATION FOR SEQ ID NO:	1:	
(i)	SEQUENCE CHARACTERISTIC	es:	
	(C) STRANDEDNESS: s	5 base pairs ucleic acid ingle inear	
(ii)	SEQUENCE DESCRIPTION: SE	Q ID NO: 1:	
GAAATTAA AAGCT	TA CGACTCACTA TAGGGAGACC		5 O
(2) INF	ORMATION FOR SEQ ID NO:	2:	
(i)	SEQUENCE CHARACTERISTIC	S:	
	(B) TYPE: n (C) STRANDEDNESS: s	1 base pairs ucleic acid ingle inear	
(ii)	SEQUENCE DESCRIPTION: SE	Q ID NO: 2:	
GGGATAAG	CC TGGGAAACTG GGTCTAATAC	С 3	1
(2) INFO	ORMATION FOR SEQ ID NO:	3:	
(i)	SEQUENCE CHARACTERISTICS	S:	
	(B) TYPE: no (C) STRANDEDNESS: si	4 base pairs ucleic acid ingle inear	
(ii)	SEQUENCE DESCRIPTION: SEC	Q ID NO: 3:	

(2) INF	ORMAT	ION FOR SEQ ID NO:	4:	
(i)	SEQ	UENCE CHARACTERIST	ICS:	
	(C)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	23 base pairs nucleic acid single linear	
(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO: 4:	
CCGGATAG	GA CC	ACGGGATG CAT		23
(2) INF	ORMAT:	ION FOR SEQ ID NO:	5:	
(i)	SEQ	UENCE CHARACTERIST	ICS:	
	(C)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	20 base pairs nucleic acid single linear	
(ii)	SEQUI	ENCE DESCRIPTION:	SEQ ID NO: 5:	
CGGTGTGG	GA TGA	ACCCCGCG		20
(2) INFO	ORMAT	ION FOR SEQ ID NO:	6:	
. (i)	SEQU	JENCE CHARACTERIST	ICS:	
	(B) (C)		47 base pairs nucleic acid single linear	
(ii)	SEQUE	ENCE DESCRIPTION:	SEQ ID NO: 6:	
AATTTAAT	AC GAC	CTCACTAT AGGGAGACC	A GGCCACTTCC GCTAACC	47
(2) INFO	RMAT	ON FOR SEQ ID NO:	7:	
(i)	SEQU	JENCE CHARACTERIST	ICS:	
	(A) (B)	LENGTH: TYPE:	24 base pairs nucleic acid	

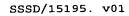
	(C) (D)	STRANDEDNESS: TOPOLOGY:	single linear	
(ii)	SEQU	JENCE DESCRIPTION:	SEQ ID NO: 7:	
CGCGGAA	CAG GO	CTAAACCGC ACGC		24
(2) IN	IFORMA'I	TION FOR SEQ ID NO	8:	
i)	.) SEÇ	QUENCE CHARACTERIST	rics:	
	(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	23 base pairs nucleic acid single linear	
(ii)	SEQU	JENCE DESCRIPTION:	SEQ ID NO: 8:	
GGAGGAT	ATG TO	CTCAGCGCT ACC		23
(2) IN	IFORMAT	TION FOR SEQ ID NO	· 9:	
(i	) SEÇ	QUENCE CHARACTERIST	rics:	
	(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	38 base pairs nucleic acid single linear	
(ii)	SEQU	JENCE DESCRIPTION:	SEQ ID NO: 9:	
CGGCTGA	GAG GC	CAGTACAGA AAGTGTCGT	rg gttagcgg	38
(2) IN	IFORMAT	CION FOR SEQ ID NO	: 10:	
i)	.) SEÇ	QUENCE CHARACTERIST	rics:	
	(B)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	36 base pairs nucleic acid single linear	
(ii)	SEQU	JENCE DESCRIPTION:	SEQ ID NO: 10:	
GGGTAAC	CGG GT	PAGGGGTTG TGTGTGCGC	GG GTTGTG	36
(2) IN	IFORMAT	TION FOR SEQ ID NO	: 11:	
i)	.) SEÇ	QUENCE CHARACTERIST	rics:	
	(A) (B)		28 base pairs nucleic acid	

	(C) (D)	STRANDEDNESS: TOPOLOGY:	single linear	
(ii)	) SEQU	ENCE DESCRIPTION:	SEQ ID NO: 11:	
ATAATC	CACC TA	TCCCAGTA GGAGAAAT		28
(2) II	NFORMAT	ION FOR SEQ ID NO	: 12:	
( :	i) SEQ	UENCE CHARACTERIS	TICS:	
	(B) (C)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	55 base pairs nucleic acid single linear	
(ii)	) SEQUI	ENCE DESCRIPTION:	SEQ ID NO: 12:	
AATTTA/ ATGCT	ATAC GA	CTCACTAT AGGGAGAC	CA CACCTTGTCT TATGTCCAGA	50 55
(2) II	NFORMAT:	ION FOR SEQ ID NO	: 13:	
		_ UENCE CHARACTERIS		
, ·	(A) (B)	LENGTH:	30 base pairs nucleic acid	
(ii)	) SEQUI	ENCE DESCRIPTION:	SEQ ID NO: 13:	
GCACGT	AGTT AG	CCGGTGCT TATTCTTC	AG	30
(2) IN	NFORMAT	ION FOR SEQ ID NO	: 14:	
<b>i)</b>	i) SEQ	UENCE CHARACTERIS	TICS:	
	(B) (C)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	53 base pairs nucleic acid single linear	
(ii)	SEQUI	ENCE DESCRIPTION:	SEQ ID NO: 14:	
AATTTAA CGT	ATAC GA	CTCACTAT AGGGAGAG	CA AGCCTGATCC AGCCATGCCG	50 53
(2) IN	NFORMAT	ION FOR SEQ ID NO	: 15:	
		UENCE CHARACTERIS		



		(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	32 base pairs nucleic acid single linear	
	(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO: 15:	
GCT	rgcgc	CC AT	TGTCCAAA ATTTCCCAC	T GC	32
(2)	INF	ORMAT	ION FOR SEQ ID NO:	16:	
	(i)	SEQ	UENCE CHARACTERIST	ICS:	
		(B) (C)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	18 base pairs nucleic acid single linear	
	(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO: 16:	
TCG	GCCGC	CG AT	ATTGGC		18
(2)	INFO	ORMAT	ION FOR SEQ ID NO:	17:	
	(i)	SEQ	UENCE CHARACTERIST	ICS:	
		(B) (C)	STRANDEDNESS:	40 base pairs nucleic acid single linear	
	(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO: 17:	
AAC	GGCCT	TT TC	TTCCCTGA CAAAAGTCC	T TTACAACCCG	40
(2)	INF	ORMAT	ION FOR SEQ ID NO:	18:	
	(i)	SEQ	UENCE CHARACTERIST	ICS:	
		(A) (B) (C) (D)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	36 base pairs nucleic acid single linear	
	(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO: 18:	
CGT	AGTTA(	GC CG	GTGCTTAT TCTTCAGGT	A CCGTCA	36
(2)	INF	TAMAC	ION FOR SEQ ID NO:	19:	
	(i)	SEQ	UENCE CHARACTERIST	ICS:	
		(A) (B)	LENGTH: TYPE:	46 base pairs nucleic acid	

	(C) (D)	STRANDEDNESS: TOPOLOGY:	single linear		
(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO:	19:	a
TAATATT	AAC CC	TCACTAAA GGGAGACCA	AG GCCACTTCC	G CTAACC	46
(2) IN	FORMAT	ION FOR SEQ ID NO	: 20:		
(i	SEQ	UENCE CHARACTERIS	rics:		
	(A) (B) (C) (D)	TYPE:	28 base pa nucleic ac single linear	irs id	
(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO:	20:	
ATAATCC	ACC TA'	TCCCAGTA GGAGAAAT			28
(2) IN	FORMAT	ION FOR SEQ ID NO	: 21:		
(i	SEQ	UENCE CHARACTERIS	TICS:		
	(B)	STRANDEDNESS:	nucleic ac	irs id	
(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO:	21:	
AATTTAA' ATGCT	TAC GA	CTCACTAT AGGGAGAC	CA CACCTTGTC	T TATGTCCAGA	50 55
(2) IN	FORMAT	ION FOR SEQ ID NO	: 22:		
(i	SEQ	UENCE CHARACTERIS	rics:		
	(B)	LENGTH: TYPE: STRANDEDNESS: TOPOLOGY:	22 base pa nucleic ac single linear		
(ii)	SEQU	ENCE DESCRIPTION:	SEQ ID NO:	22:	
GCCGTCA	CCC CA	CCAACAAG CT			22
(2) IN	FORMAT	ION FOR SEQ ID NO	: 23:		
(i	SEQ	UENCE CHARACTERIS	rics:		



8

(A) 20 base pairs nucleic acid single linear LENGTH: (B) TYPE: (C)

STRANDEDNESS: TOPOLOGY: (D)

SEQUENCE DESCRIPTION: SEQ ID NO: 23: (ii)

CCAGGCCACT TCCGCTAACC

20